

COLERAIN AVENUE INTERSECTION IMPROVEMENT PROJECT • HAM-27-6.49

Identified Problems at the Colerain, Virginia, West Fork Intersection

CONGESTION

- High Traffic Volumes (30,750 vpd on Colerain between Virginia and I-74 ramps)
- Inefficient operation during morning and evening rush hours (poor Level of Service)
- Long traffic queues
- Restrictive intersection layout

Morning and Evening Levels of Service for Intersection by Year

	AM	PM
2004	F	D
2030	F	F

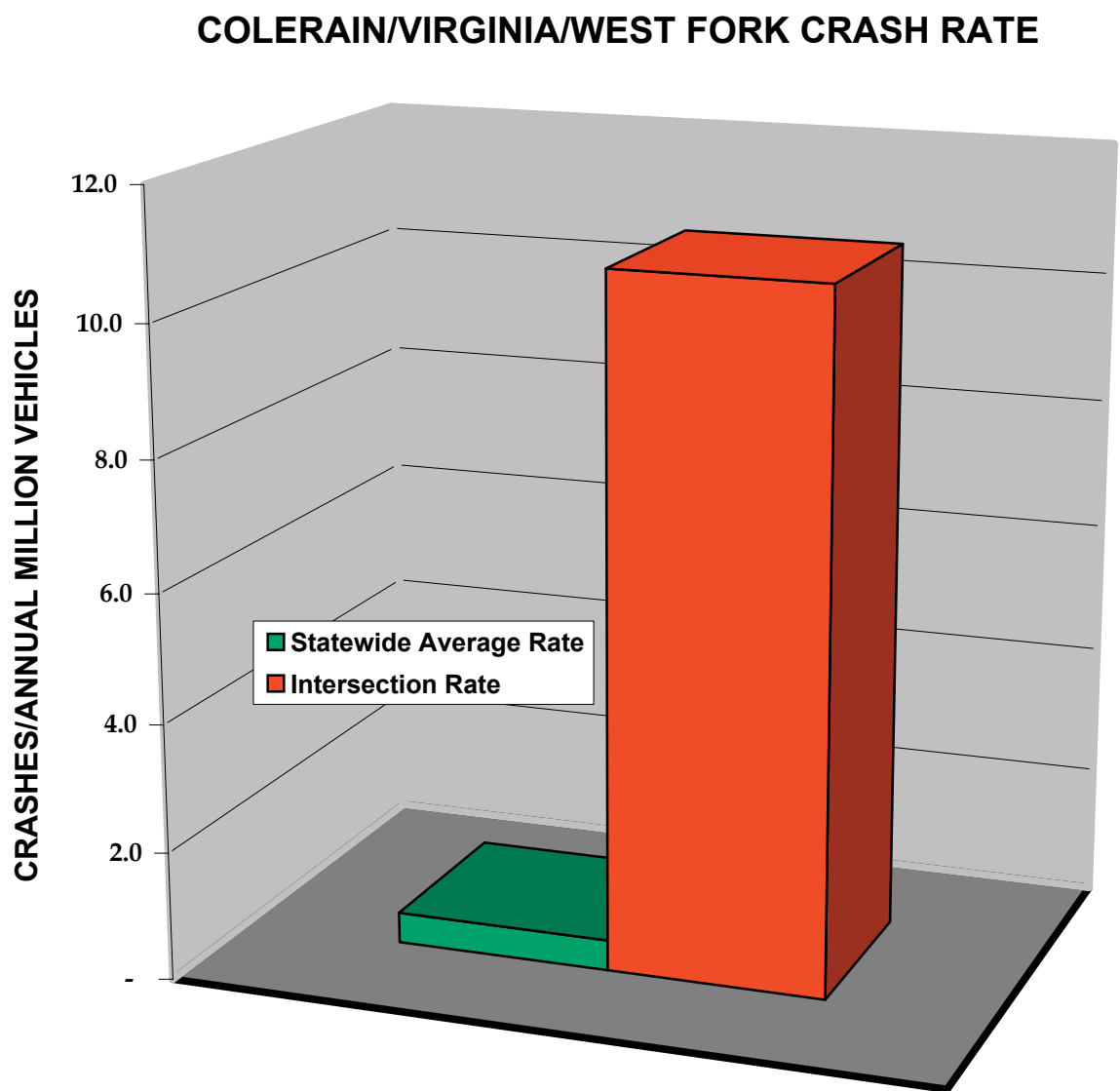
Level of Service (LOS) is a quality measure describing motorist perception of convenience and freedom to maneuver, mostly in terms of delay caused by traffic or traffic control devices.

LOS Ratings	A	B	C	D	E	F
Average Delay per Vehicle	0-10 seconds	> 10-20 seconds	> 20-35 seconds	> 35-55 seconds	> 55-80 seconds	> 80 seconds

SAFETY

- 111 crashes at Colerain, Virginia, West Fork
- 44 crashes at Colerain/I-74 ramps
- Crash Rate exceeds the Statewide Average Rate
- Crashes are caused by congested traffic

(2000-2003 Crash Data)



INTERCITY AND REGIONAL MOBILITY

- Provides important local and regional access to Interstates 74 and 75
- Serves as a natural gateway to the Northside community
- Never intended as a permanent transportation solution for the community

